Serial Number 10/600,454

AMENDMENTS TO THE ABSTRACT

Please replace the Abstract section of the specification with the following:

Disclosed is a method for implementing router interface backup ~~with Virtual Router Redundancy Protocol (VRRP)~~. The method includes the steps of: connecting multiple interfaces of a router to a single LAN and adding these multiple interfaces to a single multicast group; configuring a single virtual router number and a single virtual IP address to these interfaces to make them join a single virtual router; selecting a main interface and backup interfaces according to their respective priorities among said interfaces; and sending VRRP multicast packets from the main interface to all backup interfaces periodically; if a priority involved in a just received VRRP multicast packet is zero or the backup interfaces have not received any VRRP multicast packet within a predetermined period, one backup interface becoming the main interface and replacing the original one. The invention implements backup between interfaces in a router or routers without affecting the original VRRP backup function between routers.

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